



## CITY OF SUGAR LAND

Engineering Department

**CIP Project Number:** DR0903

**Title:** Additional Conveyance to Jane Long Lake

**Project Phase:** \$ 100,000

**Cost for this Phase:** Design

### % of Phase Completion

Design

Construction



**Funding Sources:** Certificate of Obligation

**Project Manager:** Richard Mancilla

**Contractor:** TBD

**Consultant:** Klotz

**Project Description:** Design of an additional 900 lf conduit (36" to 48") to Jane Long Lake from Just South of US. 59, and modifications to Jane Long Lake Outlet Structure. Additional conveyance is required to accommodate development in the "Triangle Area" (area bounded by US 59, 90-A and Alkire Lake Dr.), by diverting flow into proposed new detention basins within RBCC.

**Justification:** Mitigating developmental impacts from within the "Triangle Area" is required as per adopted Ordinance No. 1129. Construction of detention storage within RBCC is planned for FY09 via CIP project DR0805. This project would convey flow from the Triangle Area into the River Bend Golf Course where detention storage is being accommodated.

**Updates:** December 2008-Klotz has been selected as the consultant and we are currently negotiating a design contract. This contract is expected to be taken to City Council in January or February 2009. Some ROW/Easements will need to be negotiated before construction can be considered.

**February 2009** – Contract with Klotz approved on January 20, 2009 by City Council. Kickoff meeting with consultants was held on January 31. We walked the sites and determined some conflict points. Waiting on surveyor to complete work before design can begin. Meeting with Sugar Creek HOA anticipated during March.

**March 2009** – Survey work has been completed. Finalizing the alignment of the proposed relief storm sewer is currently underway. Staff met with consultant to discuss conflicts between the survey and proposed alignment. It has been determined that we may be tying into TxDOT box culverts (instead of existing City storm sewer) which will require a TxDOT permit. The consultant is coordinating with TxDOT to see if a drainage analysis will be required. If needed, the consultant will provide the City with a proposal for the drainage analysis. Design is approximately 25% complete.

**June 2009** – Staff and consultants attended Sugar Creek HOA meeting on April 14, 2009 and presented the project to residents. Multiple residents identified drainage issues downstream of proposed improvements and had concerns about the additional flow that will be conveyed as a result of the project. As a result, staff is working on a change order with the consultant to analyze any potential downstream issues as a result of the project. Alignment has been finalized. Design work is approximately 50% complete.

**July 2009** – Negotiating fee for change order with consultant. This change order will be for additional modeling to analyze any potential impacts downstream of the proposed improvements. Finalizing design of the storm sewer is pending the results of the modeling contract.

**August 2009** – Fee has been negotiated in the amount of 30,000 for the modeling contract with Klotz. It is scheduled for the September 1 City Council.

**September 2009** - Contract for modeling was approved at the September 1 City Council meeting. Consultant has begun work on the modeling and should be complete in early October. Design of the storm sewer is approximately 75% complete. Final design is pending the results of the modeling work being done.

**October 2009** – 75% plans submitted to City for review. Modeling is complete. No adverse impact was identified downstream of the project.

**November 2009** – Provided Klotz with comments on 75% plans. Staff is working on scheduling a meeting with HOA/Country Club Board. HOA requested meeting take place after holidays in January. Staff is moving forward with final design. Staff will begin contacting property owners soon for easement acquisition.

**December 2009** – Design is 90% complete. Meeting with HOA/Country Club board is scheduled for January 12. Staff is moving forward with final design. Staff has begun contacting property owners for easement acquisition.

**January 2010** – Design is 95% complete. Staff met with HOA/Country Club board on January 12. Staff is moving forward with final design. Staff has begun contacting property owners for easement acquisition.

**February 2010** – Final plans are in review. Staff met with Property owners on February 18<sup>th</sup> to begin discussing easements acquisitions.

**March 2010** - Staff met with the HOA/Country Club Board and residents on Jane Long Lake on March 17. Country Club board members expressed concern about flooding the golf course; staff informed them that the project will have no adverse impact on the golf course. Jane Long Lake residents had general questions about the project. In general they seemed amenable to the project once all the facts were stated and their questions were answered. Plans and specs are being finalized.

